

12 Wall and Floor Tiling

WorldSkills Occupational Standard

Section	WSOS Marks
1	Work organization and management
2	Communication and interpersonal skills
3	Problem solving, innovation, and creativity
4	Produce and interpret drawings
5	Setting out and measurement
6	Preparations
7	Fix
8	Quality

Criteria

ID	Name
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A	Overall appearance
B	Cutting
C	Level
D	Plumb
E	Square
F	Surface alignment
G	Measurements
H	Fully completed to drawings
I	

Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
A1	Wall A	2	J	Wall A, Cleaning of tiles and Tile edges	0 1 2 3
			J	Wall A, Regular Joints for width and Surface	0 1 2 3
A2	Wall B	3	J	Wall B, Cleaning of tiles and Tile edges	0

A3	Floor and Raised Edge	3	J	Wall B, Regular Joints for width and Surface	1
					2
					3
					0
					1
					2
	Small wall	4	J	Floor and Raised Edge, Cleaning of tiles and Tile edges	3
					0
					1
					2
			J	Floor and Raised Edges:Regular Joints for width and Surface	3
					0
					1
					2
			J	Floor and Raised Edge, Cleaning an area 30cm around projec	3
					0
					1
					2
					3
			J	Small wall: Cleaning of tiles and tile trim	0
					1
					2
					3
			J	Small wall: regular joints for width and surface	0
					1
					2
					3
			J	Small wall; Cleaning an area 30cm around project	0
					1
					2

					3
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
B1	Wall A: Cutting	2	J	Wall A: Details_01	0
					1
					2
			J	Wall A: Details_02	3
					0
					1
			J	Wall A: Details_03	2
					3
					0
			J	Wall A: Details_04	1
					2
					3
B2	Wall B: Cutting	3	J	Wall B: Details_01	0
					1
					2
			J	Wall B: Details_02	3
					0
					1
				2	

B4	Floor:Cutting	4	J	Wall B: Details_03	3
					0
					1
					2
			J	Wall B: Details_04	3
					0
					1
					2
			J	Floor: Raised Edge.	3
					0
					1
					2
			J	Floor: Declining Tiles.	3
					0
					1
					2
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
C1	Wall A: Level	2	M	Wall A: Level 1; Top of the wall	
C2	Wall B: Level	3	M	Wall A: Level 2; Top of 7th row, top to bottom	
C3	Small Wall	3	M	Wall B: Level 3; Top of the wall	
			M	Wall B: Level 4; Top of the 5th tile from the bottom	
C4	Floor and Raised Edge : Level	4	M	Small wall: Level 5; Bottom of the Niche	
			M	Small wall: Level 6; Top of the Small wall	

			M M M	Floor: Level 7; Level at the floor at the raised edge attached to the Floor: Level 8; Middle of Raised Edge in front Small Wall Floor: Level 9; Diagonal over Raised Edge from Small Wall to Wall B	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
D1	Wall A: Plumb	2	M M M	Wall A: plumb 1; left of the wall (tile edge). Wall A: plumb 2; second row face from the left (tile face) Wall A: plumb 3; third row face from the right (tile face)	
D2	Wall B: Plumb	3	M M M	Wall A: plumb 4; Right of the wall (tile edge). Wall A: plumb 5; Third row face from the right (tile face) Wall A: plumb 6; First row face from the left (tile face)	
D3	Small Wall	3	M M M M	Small Wall: Plumb 7; In front of the wall (right side 20 cm from the edge) Small Wall: Plumb 8; Right side in the thickness of the wall (middle) Small Wall: Plumb 9; Left side in the thickness of the wall (middle) Small Wall: Plumb 10; Left side in the niche	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
E3	Small Wall - Square	3	M M M M	Square 3; top of Small wall with wall B Square 4; Inner part of the lower left niche Square 5; Inner part of the upper right niche Square 6; second row of below of wall B with Small Wall	
E4	Floor and Raised Edge : Square	4	M M M	Square 7; Top of raised edge with small wall Square 8; Outer corner raised edge Square 9; Inner corner of raised edge with wall B	

			M	Square 10; Raised edge inner corner	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
F1	Wall A: Surface alignment	2	M	Surface Alignment 1; Vertical 5th row from right to left.	
			M	Surface Alignment 2; Middle diagonal of the 60x60 tile on the right	
			M	Surface Alignment 3; 7th horizontal row from top to bottom.	
			M	Surface Alignment 4; Horizontal in the middle of the 60x60cm tile	
			M	Surface Alignment 2; Middle diagonal of the 60x60 tile on the left	
F2	Wall B: Surface alignment	3	M	Surface Alignment 6; 4th vertical line from the left.	
			M	Surface Alignment 7; Diagonal from the middle of the 4th tile corner	
			M	Surface Alignment 8; 6th horizontal line from below.	
			M	Surface Alignment 9; 1st vertical line on the left.	
F3	Small wall	3	M	Surface Alignment 10; Diagonal from the bottom right to the top right	
			M	Surface Alignment 11; Diagonal from the bottom left to the top right	
			M	Surface alignment 12; Horizontal 15cm above the Niche	
F4	Floor and steps: Surface alignment	4	M	Surface alignment 13; Diagonal on top of the raised ledge in the middle	
			M	Surface alignment 14; At the side of the small wall	
			M	Surface alignment 15; At the side of wall B	
			M	Surface alignment 16; Horizontal outside of raised edge at exiting	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
G1	Wall A: Measurement	2	M	Measurement 1; wall width, top of wall A, in the middle of the tile.	
			M	Measurement 2; Height of the wall in the middle of the 1st row tile	
			M	Measurement 3; Tile 60x60cm center of the wall.	

G2	Wall B:Measurement	3	M M M M M M M M M M M	Measurement 4; 1m to top of the wall Measurement 5; house roof Measurement 6; width of top middle hill Measurement 7; house door height Measurement 8; width of the wall, top of the wall, in the middle of Measurement 9; Height of the wall in the middle of the 1st row tile Measurement 10; Top of left mountain Measurement 11; Width of blue tiles on the left Measurement 12. Width of upper cuts at right side angle. Measurement 13. Width of upper cuts at left side angle. Measure 14. Width of the wall, in the 3rd row from the bottom, in	
G3	Small wall: Measurement	3	M M M M M	Measurement 15; Width at the top of the small wall. Measurement 16; Small wall height. Measurement 17; Vertical opening of the niche. Measurement 18; Horizontal opening of the niche. Measurement 19; Niche depth.	
G4	Floor and steps: Measurement	4	M M M M M M M	Measurement 20; Length of the raised edge coming out of the sn Measurement 21; Length of raised edge exiting wall B. Measurement 22; height of floor left top at wall B connection from Measurement 23; slope drainage channel in the center of the floc Measurement 24; Raised edge width, 8th tile coming out of the s Measurement 25; Raised edge width, 4th tile sticking out of wall B Measurement 26; Internal height at the joining of raised edges	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score
H1	Wall A:	2	M M M	Missing tiles Wrong tiles Project completed to drawing	
H2	Wall B:	3	M	Missing tiles	

H3	Small wall:	3	M M	Wrong tiles Project completed to drawing	
H4	Floor and Raised edge:	4	M M M	Missing tiles Wrong tile Project completed to drawing	
H5	Timetable	1	M M M	Missing tiles Wrong tiles Project completed to drawing	
			M	Work plan delivered	
Sub Criterion ID	Sub Criterion Name or Description	Day of Marking	Aspect Type M = Meas J = Judg	Aspect - Description	Judg Score

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Standards			
	WSOS Marks	Aspect Marks	Variation
	5.00	3.65	1.35
	5.00	2.05	2.95
	5.00	8.80	3.80
	5.00	7.10	2.10
	5.00	8.30	3.30
	15.00	10.50	4.50
	40.00	38.00	2.00
	20.00	21.60	1.60
	Total Variation		21.60

Mark

	6.00
	9.00
	15.00
	12.00
	8.00
	18.00
	27.00
	5.00

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Tiles showing lots of grout/mortar still on the tiles for 7 or more Tiles showing traces of mortar or grout, as well as other kinds of Tiles showing very small and isolated traces of streaks and Tiles not showing traces of streaks and visible dust at all.		8		0.75
Joints of different sizes, not aligned, faulty, bad or without Joints of different sizes, but aligned, and without smooth finish Joints of different sizes in some places, but aligned, without Joints of equal sizes, aligned and with excellent smooth finish		8		0.75
Tiles showing lots of grout/mortar still on the tiles for 7 or more		8		0.75

Criterion A Total Mark 6.00

Tiles showing traces of mortar or grout, as well as other kinds of marks
 Tiles showing very small and isolated traces of streaks and marks
 Tiles not showing traces of streaks and visible dust at all.

8

0.75

Joints of different sizes, not aligned, faulty, bad or without smooth finish
 Joints of different sizes, but aligned, and without smooth finish
 Joints of different sizes in some places, but aligned, without smooth finish
 Joints of equal sizes, aligned and with excellent smooth finish

8

0.50

Tiles showing lots of grout/mortar still on the tiles for 7 or more days
 Tiles showing traces of mortar or grout, as well as other kinds of marks
 Tiles showing very small and isolated traces of streaks and marks
 Tiles not showing traces of streaks and visible dust at all.

8

0.50

Joints of different sizes, not aligned, faulty, bad or without smooth finish
 Joints of different sizes, but aligned, and without smooth finish
 Joints of different sizes in some places, but aligned, without smooth finish
 Joints of equal sizes, aligned and with excellent smooth finish

8

0.50

Area showing tapes, loose material on the floor, mortar, grout or dust
 Area at some places showing loose material on the floor, mortar, grout or dust
 Area showing almost no loose material on the floor and visible streaks
 Area not showing loose material on the floor nor visible streaks

8

0.50

Tiles showing lots of grout/mortar still on the tiles for 7 or more days
 Tiles showing traces of mortar or grout, as well as other kinds of marks
 Tiles showing very small and isolated traces of streaks and marks
 Tiles not showing traces of streaks and visible dust at all.

8

0.50

Joints of different sizes, not aligned, faulty, bad or without smooth finish
 Joints of different sizes, but aligned, and without smooth finish
 Joints of different sizes in some places, but aligned, without smooth finish
 Joints of equal sizes, aligned and with excellent smooth finish

8

0.50

Area showing tapes, loose material on the floor, mortar, grout or dust
 Area at some places showing loose material on the floor, mortar, grout or dust
 Area showing almost no loose material on the floor and visible streaks

Area not showing loose material on the floor nor visible str

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Tiles showing lots of and big chipped and broken edges .• Tiles showing small chipped edges Joints of different sizes Tiles showing small chipped edges in just a few places tha Tiles not showing chipped edges at all Joints of equal size		8		1.00
Tiles showing lots of and big chipped and broken edges .• Tiles showing small chipped edges Joints of different sizes Tiles showing small chipped edges in just a few places tha Tiles not showing chipped edges at all Joints of equal size		8		1.00
Tiles showing lots of and big chipped and broken edges .• Tiles showing small chipped edges Joints of different sizes Tiles showing small chipped edges in just a few places tha Tiles not showing chipped edges at all Joints of equal size		8		1.00
Tiles showing lots of and big chipped and broken edges .• Tiles showing small chipped edges Joints of different sizes Tiles showing small chipped edges in just a few places tha Tiles not showing chipped edges at all Joints of equal size		8		1.00
Tiles showing lots of and big chipped and broken edges .• Tiles showing small chipped edges Joints of different sizes Tiles showing small chipped edges in just a few places tha Tiles not showing chipped edges at all Joints of equal size		8		1.00
Tiles showing lots of and big chipped and broken edges .• Tiles showing small chipped edges Joints of different sizes Tiles showing small chipped edges in just a few places tha Tiles not showing chipped edges at all Joints of equal size		8		1.00
Tiles showing lots of and big chipped and broken edges .• Tiles showing small chipped edges Joints of different sizes Tiles showing small chipped edges in just a few places tha Tiles not showing chipped edges at all Joints of equal size		8		1.00

Criterion B Total Mark 9.00

Tiles not showing chipped edges at all Joints of equal size		8		1.00
Tiles showing lots of and big chipped and broken edges .•				
Tiles showing small chipped edges Joints of different sizes				
Tiles showing small chipped edges in just a few places tha				
Tiles not showing chipped edges at all Joints of equal size		8		1.00
Tiles showing lots of and big chipped and broken edges .•				
Tiles showing small chipped edges Joints of different sizes				
Tiles showing small chipped edges in just a few places tha				
Tiles not showing chipped edges at all Joints of equal size		8		0.50
Tiles showing lots of and big chipped and broken edges .•				
Tiles showing small chipped edges Joints of different sizes				
Tiles showing small chipped edges in just a few places tha				
Tiles not showing chipped edges at all Joints of equal size		8		0.50
Tiles showing lots of and big chipped and broken edges .•				
Tiles showing small chipped edges Joints of different sizes				
Tiles showing small chipped edges in just a few places tha				
Tiles not showing chipped edges at all Joints of equal size				
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Deduct 0.30 for each 1 mm error	0	4	1	1.80
Deduct 0.30 for each 1 mm error	0	8	2	1.50
Deduct 0.30 for each 1 mm error	0	4	1	1.80
Deduct 0.30 for each 1 mm error	0	8	2	1.50
Deduct 0.30 for each 1 mm error	0	5	1	1.80
Deduct 0.30 for each 1 mm error	0	8	1	1.80

Criterion C Total Mark 15.00

Deduct 0.30 for each 1 mm error	0	8	1	1.80
Deduct 0.30 for each 1 mm error	0	5	2	1.50
Deduct 0.30 for each 1 mm error	0	4	2	1.50
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Deduct 0.30 for each 1 mm error	0	7	3	1.20
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Deduct 0.25 for each 1 mm error	0	5	4	1.00
Deduct 0.25 for each 1 mm error	0	3	4	1.00
Deduct 0.25 for each 1 mm error	0	5	4	1.00
Deduct 0.25 for each 1 mm error	0	5	4	1.00
Deduct 0.25 for each 1 mm error	0	5	4	1.00
Deduct 0.25 for each 1 mm error	0	4	4	1.00
Deduct 0.25 for each 1 mm error	0	5	4	1.00

Criterion D Total Mark 12.00

Criterion E Total Mark 8.00

Deduct 0.25 for each 1 mm error	0	4	4	1.00
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Deduct 0.30 for each 1 mm error	0	6	5	1.00
Deduct 0.30 for each 1 mm error	0	6	3	1.20
Deduct 0.30 for each 1 mm error	0	3	5	1.00
Deduct 0.30 for each 1 mm error	0	3	5	1.00
Deduct 0.30 for each 1 mm error	0	3	5	1.00
Deduct 0.30 for each 1 mm error	0	6	3	1.20
Deduct 0.30 for each 1 mm error	0	6	3	1.20
Deduct 0.30 for each 1 mm error	0	3	3	1.20
Deduct 0.30 for each 1 mm error	0	3	3	1.20
Deduct 0.30 for each 1 mm error	0	6	3	1.20
Deduct 0.30 for each 1 mm error	0	6	5	1.00
Deduct 0.30 for each 1 mm error	0	2	5	1.00
Deduct 0.30 for each 1 mm error	0	6	3	1.20
Deduct 0.30 for each 1 mm error	0	6	3	1.20
Deduct 0.30 for each 1 mm error	0	3	3	1.20
Deduct 0.30 for each 1 mm error	0	3	3	1.20
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
Deduct 0.30 for each 1 mm error	1348	7	6	1.00
Deduct 0.30 for each 1 mm error	1798	7	6	1.00
Deduct 0.30 for each 1 mm error	445	7	6	1.00

Criterion F Total Mark 18.00

Criterion G Total Mark 27.00

Deduct 0.30 for each 1 mm error	772	7	6	1.00
Deduct 0.30 for each 1 mm error	35	7	6	1.00
Deduct 0.30 for each 1 mm error	148	7	6	1.00
Deduct 0.30 for each 1 mm error	88	7	6	1.00
Deduct 0.30 for each 1 mm error	1501	7	6	1.00
Deduct 0.30 for each 1 mm error	1798	7	6	1.00
Deduct 0.30 for each 1 mm error	73	7	6	1.00
Deduct 0.30 for each 1 mm error	220	7	6	1.00
Deduct 0.30 for each 1 mm error	111	7	6	1.00
Deduct 0.30 for each 1 mm error	109	7	6	1.00
Deduct 0.30 for each 1 mm error	1366	7	6	1.00
Deduct 0.30 for each 1 mm error	1045	7	7	1.20
Deduct 0.30 for each 1 mm error	1203	7	7	1.20
Deduct 0.30 for each 1 mm error	300	7	6	1.00
Deduct 0.30 for each 1 mm error	400	7	6	1.00
Deduct 0.30 for each 1 mm error	50	7	6	1.00
Deduct 0.30 for each 1 mm error	1319	7	6	1.00
Deduct 0.30 for each 1 mm error	1045	7	7	1.20
Deduct 0.30 for each 1 mm error	1000	6	6	1.00
Deduct 0.30 for each 1 mm error	1012	7	7	1.20
Deduct 0.30 for each 1 mm error	121	7	6	1.00
Deduct 0.30 for each 1 mm error	121	7	6	1.00
Deduct 0.30 for each 1 mm error	80	7	7	1.20
Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark
	yes/no	1		0.30
	yes/no	1		0.30
	yes/no	6		0.30
	yes/no	1		0.30

Criterion H Total Mark 5.00

yes/no	1	0.35
yes/no	2	0.35
yes/no	1	0.35
yes/no	1	0.35
yes/no	2	0.35
yes/no	1	0.35
yes/no	1	0.35
yes/no	2	0.35
yes/no	1	1.00

Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only)	Requirement (Measurement Only)	WSOS Section	Calculation Row (Export only)	Max Mark

Criterion I Total Mark 0.00

Competition Total Mark 100.00